

## MD iMAP Technical Committee Meeting Minutes for June 2020

Place: On-Line Only Attendance due to COVID19 Social Distancing

Date: 06/02/2020; Time: 1:00PM – 2:00PM

Phone Attendees: Kevin Coyne (DNR); John Lesko (DoIT); Lisa Lowe (DoIT), Conrad Schaefer (DoIT), Susan Hmel (DoIT), Darren Lloyd (DoIT), Gary Maragos (MDP), Kate Majchrzak (MDE), Leah Visakowitz (McCormick Taylor), Rowland Agbede (MDA), Scott Hansen (MDP), Andrew Bernish (MDOT), John Wafer (MDOT) and Marshall Stevenson (MDOT/SHA).

### Agenda

#### *Introductions*

#### *Maryland Enterprise Software & MD iMAP 3.0 Update – John Lesko*

- J. Lesko announced that John Churchill had joined DoIT as a GIS Analyst;
- GIO team created and continues to support a COVID-19 ArcGIS Hub site to provide support to MDH during response. (visit <https://coronavirus.maryland.gov/>) Your feedback is welcome.
- GIO team has been working with MDH, MEMA SEOC and GIS Desk for Map and dashboard updates related to COVID Cases reported for the counties. MEMA has been responsible for updating daily number on the ArcGIS Dashboard, GIO continues to receive requests for more data and data analytics. Data components continue to evolve and updated data and statistics are added daily.
- During the past month, GIO published an Open Data portal for the data displayed on the MDH COVID-19 Hub page. Users can access the data using the SEARCH function. An OVERVIEW provides background and details of the particular data sets. Attributed data files in .csv format are available for download to the public. (<https://data.imap.maryland.gov/> Search:COVID)
- This past month, GIO designed and incorporated a County Reopening page using the Governor's color coded Maryland Strong: Roadmap to Recovery Program. (<https://governor.maryland.gov/recovery/>) The site contains a State map of the counties color coded in accordance with the stage of reopening. There is a legend containing information particular to each county. The information on the map is scheduled to be updated once a week but will be updated with the most recent information as necessary.
- GIO developed and posted a Testing Site application. (<https://coronavirus.maryland.gov/pages/symptoms-testing>). The application provides a user interface that allows a user to place a point on a map or enter an address or a ZIP code and identifies the testing sites within a selected radius. The user can select the site and view the operating procedures and hours. The user can click on the site address and initiate driving directions to the site using Google Maps or another driving direction application. GIO continues to receive requests for more data and data analytics. Data components continue to evolve and updated data and statistics are added daily. DoIT continues to work with ESRI to ensure that the platform is stable and highly available. The site also contains an ADA table listing the addresses and opening information for each site. To date, the page has had approximately 220,500 views.
- Due to the fluidity of the data and the daily updates, GIO is constantly searching for methods to improve automated processes for entering the data. Through a combination of Google products (Documents and Sheets) and database management, procedures are in place to reduce the amount of manual intervention necessary updating the tables and graphs on the COVID-19 Hub page.
- DoIT GIO is highlighting the excellent work being done by several of our partners in response to COVID-19. GIO created a COVID-19 Partners Page on the MD iMAP platform. GIO staff visited COVID-19 sites hosted by Maryland county and municipal entities. (<https://imap.maryland.gov/Pages/dashboard-gallery.aspx>) Screen captures of the splash page and url addresses provide visitors a way to link to the pages from the iMAP page, The site provides a wide sample of information and data targeted to the local populations. To date, the page has had approximately 220,500 views.
- MDH, MEMA and the Governor's Office remain strong partners and allies in the progress to get more data and more features published onto the site.
- The GIO team maintains a 24 hour, 7 days a week schedule for the COVID-19 hub site support. GIO team members monitor the site and report and resolve issues in a timely manner. Using products such as Visual Ping and Pager Duty, the site is under constant surveillance.
- The GIO team continues to team with ESRI to help implement best practices. ESRI has expanded their infrastructure for increased traffic to provide stability to COVID-19 hub sites. Their infrastructure continues to support the peaks in user views and searches. Due to the daily updates, the Hub site is cloned twice daily and all tables are individually back-up to ensure rapid recovery should an issue occur with the site.
- The site was launched on Saturday March 14, 2020 and has been operating and updated daily for 80 days. The site is a work in progress and is responding to multiple requests to include and display additional data sets. Since the site was launched, the site has had more than 23.4 million views and 4.8 million users.
- GIO created a webpage named COVID CONNECT. (visit <https://health.maryland.gov/covidconnect/Pages/Home.aspx>)

This secure portal is open to all Maryland residents who were confirmed to have tested positive for COVID-19 and who are now recovered from their disease. It will be a place for you to share information, promote action and find support.

- Due to the nature of the event, GIO team is requesting to keep COVID data authoritative and run through the proper channels. If you are creating content related to COVID, please do not share it publicly. If there is data that you would like to share publicly, please coordinate with MDH/GIO/MEMA/GOV prior to.
- While teleworking continues, credentialed licenses may be used on personal computers. This includes AGOL and ArcGIS Pro, which both require sign-on to the AGOL platform for access. Violation of these restrictions is a violation of the licensing agreement between the State and ESRI. If you require licenses to support you while teleworking, please email [service.desk@maryland.gov](mailto:service.desk@maryland.gov) and a ticket will be created and addressed by the GIO team. Licenses are not free and require the authorization of a state employee manager before they will be provisioned. If you have any questions, please contact [service.desk@maryland.gov](mailto:service.desk@maryland.gov) and we will be sure to address your questions or concerns.
- GIO has initiated the use of the GitHub platform. GitHub is a code hosting platform for version control and collaboration. It lets members of an organization work together on projects from anywhere. Utilizing the GitHub environment, a repository was established and members provided training for posing code. Code can be created and/or modified and made available for review by peers and supervisors. New code edits can be approved or sent back to the member for edits and clarification.
- State Owned Property hosted AGOL layer continues to develop at request of MDOT. This is a secured layer shared with a specific group to allow for visualizations of the State Properties parcels. GIO continues to explore the use of Qlik and Data Bricks platforms which will pull data from various sources to analyze and display data and data relationships. In addition, as the data becomes available, machine learning capabilities will be developed to provide intelligent predictive capabilities.
- Maryland Power Outages web page enhancement:  
MD DoIT uses a custom python process to gather data from BGE, Choptank, Delmarva, Easton Utilities, PEPCO, Potomac Edison, and SMECO. The data is gathered for both the County and ZIP code levels. The data is processed, aggregated, and written to MEMA databases. That data is consumed directly for the graphs and stats but is also used to make map services and is all served to the public at <https://mema.maryland.gov/Pages/Power-Outages-Data.aspx>

#### ***Subcommittee Updates***

##### **Training – Lisa Lowe**

- No update. In person classes on hold for now.

##### **Centerlines – Marshall Stevenson**

- Working with Baltimore County on review of local government reporting tool

##### **Composite Locator – Lisa Lowe**

- Has not been able to update. Working on some individual points.

##### **Imagery – Lisa Lowe**

- A SQL Server memory space issue was resolved that was causing issues with a checkerboard effect on the staging version of the 2019 Eastern Shore image service. It should be moved to production soon.
- Sanborn is currently working through aerial triangulation (AT) of the Western Shore imagery collected this year.

##### **Lidar – John Lesko**

- Montgomery County (MNCPPC) edited DEMs have been delivered. ESRGC has generated and will be posting the derivative products for IMAF. These products include: aspect\_m, dem\_ft, dem\_m, hillshade\_m shadedrelief\_RGB and slope\_m.

Prince George's County (MNCPPC) lidar is in a "hold" due to the COVID-19 office/work restrictions.

MD Lower Eastern Shore 2020 lidar acquisition for Worcester, Somerset and Wicomico Counties. USGS QL2, tide coordinated, acquisition scheduled for leaf off fall 2020 with final deliverables by February 2022.

The counties of Harford, Cecil and Queen Anne's are slated for airborne lidar acquisition. The data will be acquired to meet USGS Quality Level II which requires a point density of 2 ppm2, and to meet a vertical

accuracy of 10 cm. The data will also be low tide coordinated to ensure uniform coastal acquisition at low tide conditions.

***Action Items***

- None identified

***Additional Business***

- TUGIS 2020 will be virtual. Dates in August to be determined.
- ESRI User Conference (July 13-15, 2020) will be virtual.